



Introducing Cloud Computing to Make Cities Smarter

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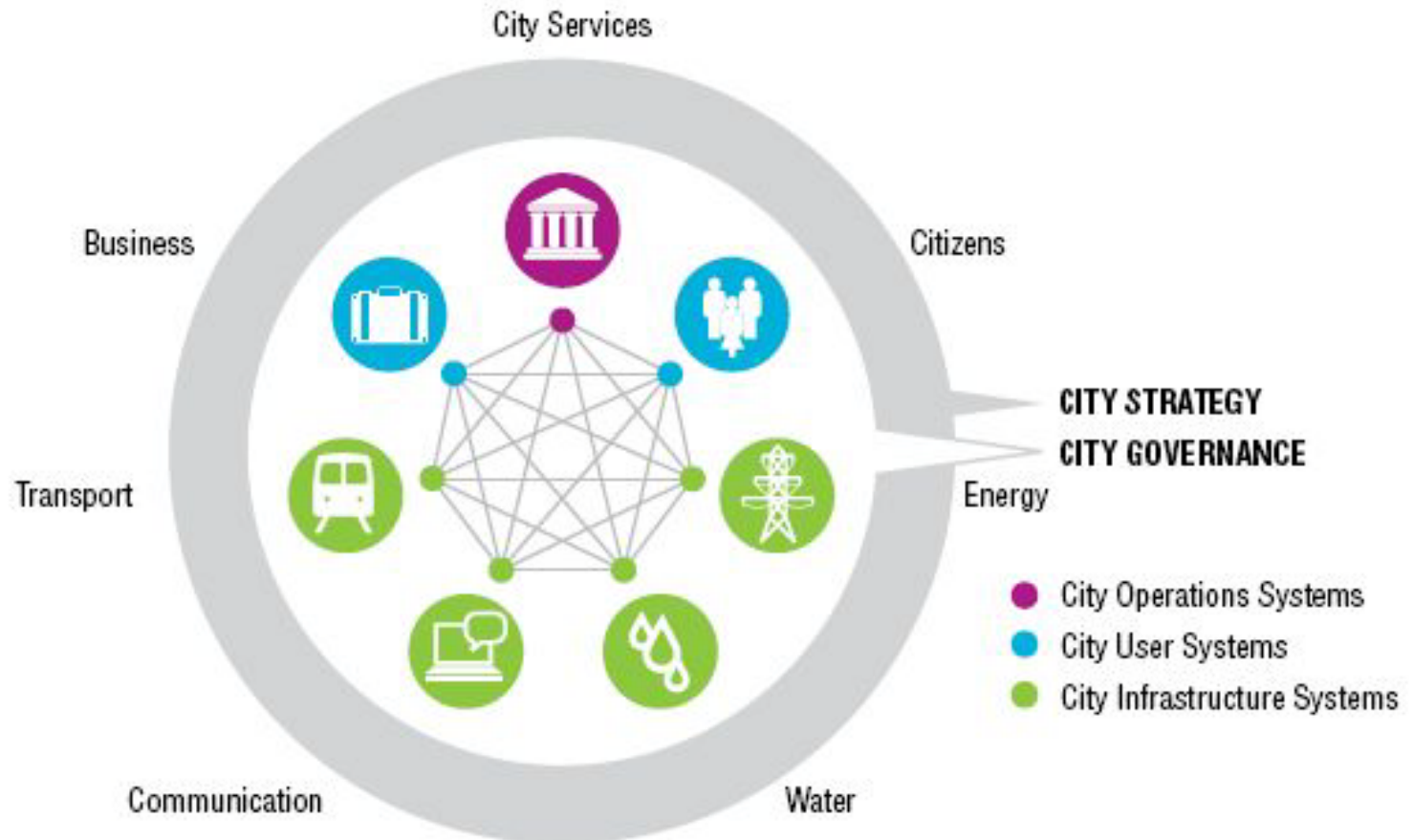
Introducing the EPIC Challenge....



Introducing EPIC....

- **EPIC:** The European Platform for Intelligent Cities
- Funded by the European Commission
- **Pioneer project** in the new 'Smart Cities' and 'Living Labs' initiatives

What is a Smart City?



‘What are Living Labs?’



The Current Challenge.....

- Since 1995, the European Commission has funded a number of initiatives to improve government services
- Yet technical and procedural limitations have prevented European cities from harnessing the full power of Living Labs and truly working Smarter

The EPIC Answer.....



EPIC Opportunities.....

EPIC combines unparalleled expertise:

- **Strong industrial players:** IBM and Deloitte
- **Living Labs networks:** ENoLL
- **Living Labs:** IBBT Brussels, Issy Media, Manchester
- **Technology researchers:** Fraunhofer Institute, IBM cloud core enterprise services and the National Technical University of Athens
- **IOT specialists:** BCU (Birmingham City University)
- **SMEs:** ATC, Navidis, IS-practice and 21c

The EPIC Solution....

- **Use the IBM Cloud as the basis for a European-based web-service delivery platform**
 - Focus on key building blocks i.e. authentication, security
 - Identify standards and protocols for new technologies i.e. IoT, Mobile, 3D
- **Pilot ‘Smart City’ use of the platform across Europe**
 - Involve Living Lab pilot sites to provide user driven open innovation and test the EPIC platform
- **Develop a Roadmap for pan-European implementation**
 - Include practical focus on working business models, including PPP
 - Identify standards for user-driven open innovation

'Smart' EPIC Services...

Relocation Service



'Smart' EPIC Services...

Urban Planning Service



'Smart' EPIC Services...

Smart Environment Service



EPIC Outcomes

Outcome 1: Infrastructure

- A tested prototype for a pan-European web service delivery platform and IoT extensions

Outcome 2: Strategy

- A deployment Roadmap that shows, among other things, how a 'Smart' City can transition eGovernment and other services to web-based services and Cloud Computing

EPIC: A Global Platform for 'Smarter Cities?'

